

TipTrak Bucket Conveyors

For Cold Temperature Applications

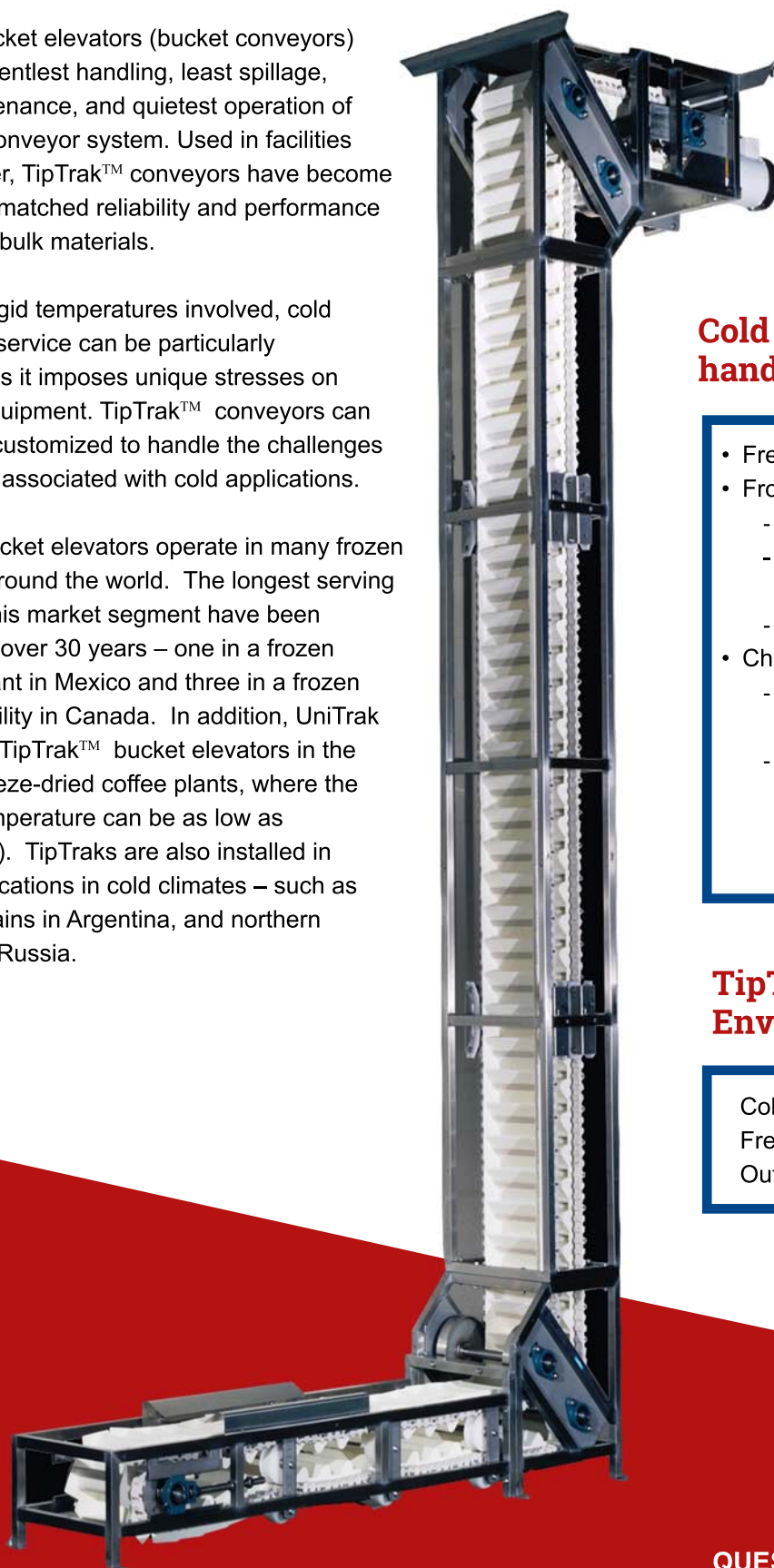


UniTrak Corporation Limited
Box 330, 299 Ward Street
Port Hope, ON L1A 3W4
Toll-Free: 1-866-883-5749
Tel : 1-905-885-8168
www.unitrak.com

TipTrak™ bucket elevators (bucket conveyors) provide the gentlest handling, least spillage, lowest maintenance, and quietest operation of any bucket conveyor system. Used in facilities the world over, TipTrak™ conveyors have become known for unmatched reliability and performance in conveying bulk materials.

Due to the frigid temperatures involved, cold temperature service can be particularly challenging as it imposes unique stresses on conveying equipment. TipTrak™ conveyors can be specially customized to handle the challenges and stresses associated with cold applications.

TipTrak™ bucket elevators operate in many frozen food plants around the world. The longest serving TipTraks in this market segment have been operating for over 30 years – one in a frozen vegetable plant in Mexico and three in a frozen french fry facility in Canada. In addition, UniTrak has installed TipTrak™ bucket elevators in the freezer in freeze-dried coffee plants, where the operating temperature can be as low as -45°C (-50°F). TipTraks are also installed in outdoor applications in cold climates – such as in the mountains in Argentina, and northern Canada and Russia.



Cold Materials and Products handled by TipTrak:

- Freeze-dried coffee
- Frozen Foods
 - Fruits – berries, cherries
 - IQF Vegetables – peas, corn, carrots, mixed veg
 - French Fries & potato patties
- Chilled processed food
 - Fruits – citrus, apples, berries, pears, grapefruit
 - Vegetables – corn, carrots, garlic, peas, mushrooms, potatoes, sundried tomatoes, onions, beans, etc.

TipTraks in Cold Environments:

Cold rooms
Freezers and chillers
Outdoor applications

QUESTIONS? PLEASE CONTACT US
SALES@UNITRAK.COM OR +1-905-885-8168

TipTrak Bucket Conveyors

For Cold Temperature Applications



Before purchasing any bucket conveyor for cold temperature service, consider the advantages of a customized TipTrak™ conveyor from UniTrak:



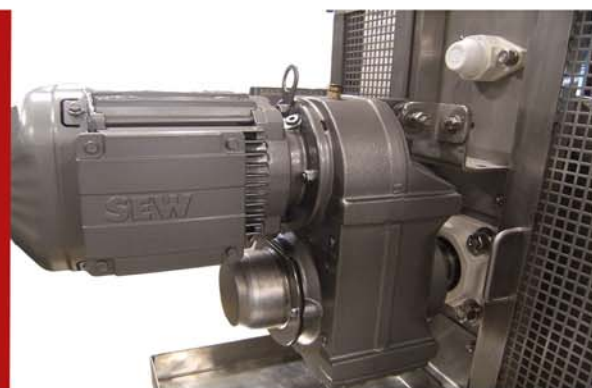
Rubber beltchain. The rubber *beltchain* is the very heart and soul of TipTrak™ bucket conveyors. Consisting of super-tough elastomer molded around and bonded to a core of multiple strands of stainless steel aircraft cables, the TipTrak™ *beltchain* provides years of reliable, trouble-free service. For cold applications, we can supply a TipTrak™ *beltchain* made from an elastomer specially formulated to provide assured startup and operation.

Interlocking bucket assemblies. TipTrak™ conveyors feature “zero spillage” fully interlocking bucket assemblies. We can supply TipTrak™ units equipped with bucket assemblies specially engineered for cold service.

Drive assembly components.

For cold applications, we use pulleys and drive components that are fabricated from alloys designed to withstand the rigors of extreme cold.

Drive motors and bearings. Standard AC motors are usually only rated for temperatures down to -26°C (-15°F). To service cold applications, TipTrak™ units are supplied with drive motors specially rated for this type of service.



Equipment frames. Low temperatures may cause condensation to deposit on the conveyor frame. Since condensation has the potential to cause corrosion, TipTrak™ conveyors can be supplied in either stainless steel or carbon steel with a corrosion-inhibiting paint finish.

Lubricants and greases. Standard conveyor gear reducer lubricant is usually rated for a minimum temperature of -12°C (+10°F). TipTrak™ conveyors can be supplied with low temperature lubricants capable of handling temperatures down to -34°C (-30°F).

TipTrak™ bucket conveyors are designed to service a wide variety of bulk material conveying applications. With over 45 years of proven performance in facilities the world over, TipTrak™ bucket conveyors provide unmatched reliability in even the most demanding applications. TipTrak™ bucket conveyors are available in a wide range of constructions, sizes, and configurations, and every unit can be precisely customized for your application.